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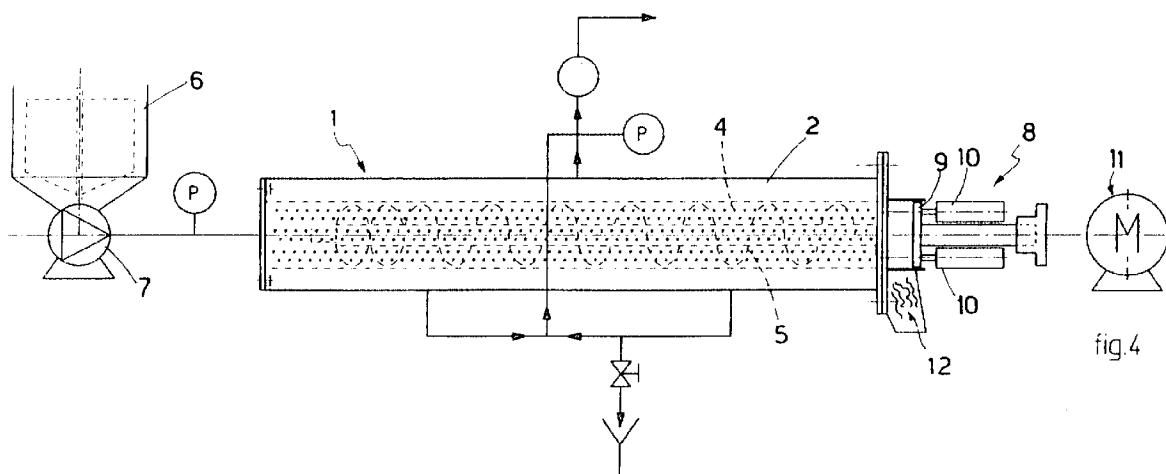
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### (54) Juice extractor for fruit, in particular for bananas, papayas and tropical fruit in general

(57) The invention falls within the sector relating to the extraction of juice and pulp from fruit, in particular bananas.

The extractor (1) comprises a screw (5) rotating snugly inside a cylindrical sieve (4) enclosed by an external casing (2), the product to be processed being in-

roduced into said screw; a counter-pressure device (8) located at the end of the screw and the sieve opposite to the end where the product to be processed enters and provided with means (8, 9) formed so as to be able to close with adjustable pressure said end of the screw (5) and the sieve (4) through which the waste matter emerges.





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## EUROPEAN SEARCH REPORT

Application Number  
EP 97 83 0613

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
X	FR 2 721 226 A (BOCHET ETS) 22 December 1995	1,2,7,8	A23N1/00
Y	* page 5, line 35 - page 6, line 9; figure 2 *	3-6	
X	US 4 291 619 A (HUNT ARTHUR J ET AL) 29 September 1981 * column 2, line 36 - column 3, line 49; figures *	1,2,7,8	
Y	US 4 901 635 A (WILLIAMS MAURICE A) 20 February 1990 * column 7, line 6 - line 17; figures 1,2 *	3	
Y	DE 29 23 646 A (BERGGREN TORSTEN L) 20 December 1979 * page 10, last paragraph * * page 11, last paragraph; figure 3 *	4,5	
Y	PATENT ABSTRACTS OF JAPAN vol. 007, no. 114 (C-166), 18 May 1983 & JP 58 036378 A (SEIKENSHIYA:KK), 3 March 1983 * abstract *	6	TECHNICAL FIELDS SEARCHED (Int.Cl.6)
A	PATENT ABSTRACTS OF JAPAN vol. 012, no. 311 (M-734), 24 August 1988 & JP 63 084797 A (HAJIME HONDA), 15 April 1988 * abstract *	4,5	A23N B30B
A	PATENT ABSTRACTS OF JAPAN vol. 015, no. 289 (C-0852), 23 July 1991 & JP 03 101900 A (ISHIGAKI KIKO KK), 26 April 1991 * abstract *	6	
The present search report has been drawn up for all claims			
Place of search	Date of completion of the search	Examiner	
THE HAGUE	29 October 1998	Fonts Cavestany, A	
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			
T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			